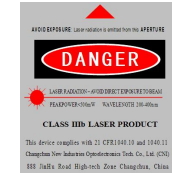




MSL-W series

SINGLE LONGITUDINAL MODE LASER

All solid state single longitudinal mode laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	588±1	589±1	671±1
Output power (mW)	200-500	200-500	500-2500
Power stability (rms, over 4 hours)	<3%, <2%	<3%, <2%	<3%, <2%
Transverse mode	TEM ₀₀		
Longitudinal mode	Single		
Operating mode	CW		
Spectral line width (nm)	<0.00001		
Coherent length (m)	>50		
Noise of amplitude (rms, 20Hz~20MHz)	<1%, <0.5%		
M ² factor	<1.5		
Beam diameter at the aperture (1/e ² , mm)	<3.0		
Beam divergence, full angle (mrad)	<1.5		
Polarization ratio	>100:1, Horizontal (Vertical Optional)		
Warm-up time (minutes)	<20		
Pointing stability after warm-up (mrad)	<0.05		
Beam height from base plate (mm)	58		
Cooled method (Water cooled)	WCH-580		
Operating temperature (°C)	20-30		
Power supply (90-264VAC)	PSU-W-FDA		
Expected lifetime (hours)	10000		
Warranty	1 years		

Note: The laser head needs to be used on a heat sink with good heat dissipation.

LASER HEAD	POWER SUPPLY	Water Chiller (WCH-580)
<p>408(L)×225(W)×78(H) mm³, 5.7kg</p>	<p>307(L)×168(W)×123(H) mm³, 4.5 kg</p>	<p>253.2(L)×363.8(W)×240.6(H) mm³, 11.0 kg</p>